CORE

The Voice of Mineral Exploration/Fall 2016

PDAC'S RECOMMENDATIONS FOR BUDGET 2017

THE IMPORTANCE OF FLOW-THROUGH SHARES AND THE METC

PDAC 2017 CONVENTION NEWS AND HIGHLIGHTS

S-IMEW 2016: Celebrating 10 years

PDAC
PROSPECTORS & DEVELOPERS ASSOCIATION OF CANADA

CORE

The Voice of Mineral Exploration
Fall 2016

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ON THE COVER: S-IMEW students overlooking Onaping High Falls.

OPPOSITE: S-IMEW students inside the Glencore Core Shack.

INDUSTRY NEWS

FINANCING ON THE RISE

After an extended period of depressed market activity, companies have found increasing support among investors since February, buoyed mostly by rising gold prices according to SNL Global's Industry Monitor. Global drilling activity rose sharply in June to a seven-month high, led higher by strong growth in the number of active gold projects. The total number of distinct projects reporting drilling activity jumped to **152**, up from **124** in April and on par with the year-earlier period.

SNL's Monthly Industry Monitor (Global) also reported some positive developments in recent months. **There were 40 financings over $2.6 million in May, the most since July 2014.** In April, there was $614 million financings, slightly less than March at $638 million. Canadian-listed companies accounted for 64% of overall raisings in April, and made up 73% in March.

NWT SUPPORTS MINING INDUSTRY

Northwest Territories residents made it clear that they support mining, according to a survey released in June that was commissioned by the NWT & Nunavut Chamber of Mines and the Mining Association of Canada. Territory residents believe the industry's economic contributions are substantial, and companies' environmental and safety practices are meeting or exceeding their expectations. As a result, respondents said they would welcome new mines and more government support for mining.

Canada still second to Australia

For the second consecutive year, Saskatchewan ranks as the top jurisdiction in Canada, finishing second worldwide behind Western Australia. The *Fraser Institute Survey of Mining Companies 2015* rates 109 jurisdictions around the world based on a combination of their geologic attractiveness for minerals and metals, and their policy attractiveness. Quebec ranks second in Canada and is the only other Canadian jurisdiction to make the Top 10.

REVIEW OF ENVIRONMENTAL ASSESSMENT PROCESSES

The Government of Canada is undertaking a comprehensive review of federal environmental and regulatory processes. This review includes:

- **Reviewing federal environmental assessment processes**
- **Modernizing the National Energy Board**
- **Review changes to restoring lost protections and introducing modern safeguards to the *Fisheries Act* and the *Navigation Protection Act***

An Expert Panel had been established to review federal environmental assessment processes associated with the *Canadian Environmental Assessment Act, 2012* (*CEAA 2012*) and develop a set of recommendations.

NATIONAL REGULATOR FOR CAPITAL MARKETS

A Board of Directors was announced for the Capital Markets Regulatory Authority (CMRA) in July. Once created, the CMRA will be the single regulator for administering the proposed provincial-territorial *Capital Markets Act* and complementary federal *Capital Markets Stability Act* in British Columbia, New Brunswick, Ontario, Prince Edward Island, Saskatchewan and Yukon. These acts would form the legislative cornerstones of the new CMRA system.

Clean Energy Innovation Program

Canada's Natural Resources Minister, the Honourable Jim Carr, announced in August that the Government of Canada is seeking proposals for projects under the **$25 MILLION CLEAN ENERGY INNOVATION PROGRAM,** which will bring clean energy technologies closer to commercialization. The initiative helps Canada meet its Mission Innovation goal to double its 2014-2015 funding of $387 million for clean energy and clean technology research and development to **$775 MILLION BY 2020.**

PDAC AND INDUSTRY PARTNERS OUTLINE TOP PRIORITIES AT EMMC

In August, Canada's mineral exploration and mining industry took part in the 73rd annual Energy and Mines Ministers' Conference in Winnipeg to discuss several challenges that have resulted in Canada dropping to second place behind Australia as the most desirable exploration and mining destination in the world.

A brief submitted by the Canadian Mineral Industry Federation (CMIF) details seven policy priorities that require action for Canada to sustain a vibrant and responsible industry. The brief calls for government to:

1. **Finance for early-stage exploration, including the renewal of the Mineral Exploration Tax Credit (METC) and support of the flow-through shares system.**
2. **Ensure an effective regulatory environment that improves the competitiveness of the industry and attracts much-needed mineral investment to Canada.**
3. **Enhance the participation of Aboriginal peoples in the industry through investments in health, education and skills-training, as well as government benefits and resource-revenue sharing.**
4. **Address the high cost of operating in remote and northern Canada.**
5. **Invest $50 million to combat climate change and improve clean technologies and innovation.**
6. **Ensure that mineral potential is factored into all land withdrawal decision-making processes.**
7. **Re-image the role of the Energy and Mines Ministers' Conference as a platform for collaborative action.**

As the industry recovers and looks to develop a more innovative and greener approach to mineral exploration, the PDAC is urging government to invest in Aboriginal communities, support exploration and development in the North, and renew the METC while also sustaining the existing flow-through share system that has enabled Canada's exploration and mining sector to be a global leader.

BY DEANNA PAGNAN

Budget 2017

As the leading voice of the minerals industry, PDAC was pleased to put forward recommendations for Federal Budget 2017 in support of more than 8,000 members. In its pre-budget submission to the House of Commons Standing Committee on Finance, PDAC made recommendations that would contribute to economic growth and enhance prosperity of Canadians by supporting the minerals industry. As an industry that operates across the country—in urban, rural and remote areas—and is the largest private sector employer of Aboriginal people, the minerals sector is uniquely positioned to offer economic opportunities to all Canadians in an innovative way towards a carbon-neutral future.

While the minerals industry provides significant benefits to Canada, including 375,000 jobs and $57 billion in GDP (2014), it does face challenges that threaten its continued ability to provide these contributions. If these trends continue, it will further reduce exploration activities and new discoveries. Without these discoveries there will be no new mines to provide meaningful benefits to all Canadians. Current challenges include:

- **Financing for exploration on Canadian exchanges has all but dried up, dropping over 90% from 2007 levels.**
- **Expenditures on early-stage exploration in Canada have fallen almost 70% since 2011.**
- **Access to land is critical to Canada's ability to attract exploration investment and sustain its rate of mineral discoveries. Canada no longer attracts the largest share of global exploration budgets, with Australia officially moving into first place in 2015.**

PDAC's recommendations for Federal Budget 2017 address these challenges and will improve the mineral exploration and development industry's ability to access capital and land.

RECOMMENDATION 1
Sustain flow-through financing

Flow-through financing, a Canadian fiscal policy innovation, makes it possible for thousands of small, entrepreneurial companies—also known as juniors—to raise capital to undertake mineral exploration. Juniors are more successful at making discoveries that are economically viable to develop into mines. Data shows that juniors made approximately 70% of all discoveries in Canada between 2005 and 2014.

Flow-through shares play a critical role by creating an incentive for investors to allocate the risk portions of their portfolios to mineral exploration. Flow-through share financing is particularly important during downturns when other sources of capital dry up. Flow-through shares have accounted for more than two-thirds of all exploration-focused financing on Canadian exchanges over the last decade. Such financing enables some junior companies to explore for metals and minerals (i.e. lithium and graphite) that through innovation will lead to a greener future.

PDAC recommends that the federal government sustain the innovative flow-through share financing mechanism to support the prosperity and growth of junior mineral explorers.

RECOMMENDATION 2
Renew the METC

The Mineral Exploration Tax Credit (METC) is a 15% non-refundable tax credit on eligible expenses, known as flow-through mining expenditures. All funds raised using flow-through shares and the METC must be spent on early-stage grassroots mineral exploration in Canada.

An Intergovernmental Working Group report noted that "although it is difficult to assess what proportion of the increased FTS usage in 2009 is attributable to the 15% METC per se… it is believed that the tax credit contributed to maintaining investors' interest in exploration, particularly in recent troubled times."

If Canada is to once again lead the world as the number one jurisdiction to raise capital in the minerals industry, the METC can play a key role. In fact, Australia has recently followed Canada's tax innovation and introduced its own exploration development incentive in 2015.

Given the importance of the METC to catalyzing investor interest in flow-through shares, PDAC recommends that the federal government renew the 15% METC for one year.

RECOMMENDATION 3
Support mineral exploration in remote and northern Canada

Remote and northern Canada is rich in mineral resources and the minerals industry is a proven private-sector driver of economic activity in these areas. In the territories alone, the industry accounts for 20-25% of GDP.

According to a report produced by PDAC with industry partners, remote exploration projects (more than 50 km from a supply route) have average costs that are 227% of the costs of non-remote projects. In the most remote regions (500 km or more from a supply route) projects have costs that are 280% of the costs of non-remote projects. A second PDAC study revealed the disproportionate impact the infrastructure deficit has on the ability of companies to move a mineral deposit discovery into production in the territories with 85%, 69% and 77% of existing discoveries in Nunavut, Northwest Territories and Yukon remaining undeveloped, respectively.

To support mining in remote and northern areas, the Government of Canada should expedite the creation of the promised Canada Infrastructure Bank and ensure funds are dedicated for the financing of resource-development-related infrastructure projects in remote and northern Canada.

If fiscal policy can facilitate infrastructure investments that reduce costs by 10%, this could result in half a dozen additional precious or base metal mines in remote areas, with significant impacts on northern employment, business development and revenue generation for governments. In addition, rare earth metals would be mined to help Canada to become a leader in metals for a cleaner future.

RECOMMENDATION 4
Investment in Aboriginal communities to support participation in the minerals industry

The minerals industry strongly supports efforts to facilitate the full participation of Aboriginal people in the economic opportunities it generates through training, development, employment and mutually-beneficial partnerships. As a result of efforts in a variety of capacities, Aboriginal employment in the mining and mineral processing industry increased 12% from 2007 to 2015.

There is great potential to further increase participation by Aboriginal people in the minerals industry, particularly given that Canada's Aboriginal population is younger and growing at a faster rate than the general population, and that a number of communities are located in close proximity to exploration projects and producing mines. The industry is facing an imminent skills and labour shortage, and will require more than 106,000 new workers over the next decade.

PDAC recommends that the federal government support efforts to enhance the participation of Aboriginal people in the minerals industry through:

- Foundational social investments that contribute to improved health and educational outcomes for Aboriginal communities.
- Targeted funds for skills training and entrepreneurship to assist Aboriginal people in securing employment and seizing business development opportunities generated by the industry. **c**

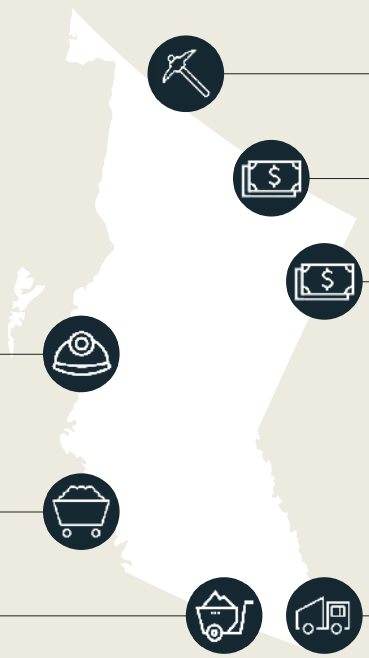
Deanna Pagnan is the PDAC's Senior Manager, Public Affairs

The Importance of Exploration and Mining in Canada

To showcase the integral role mineral exploration and mining plays in Canada's prosperity, PDAC has compiled data from every province to demonstrate the positive impact of the industry in communities across the country.

British Columbia

Vancouver is the world's leading centre of expertise for mineral exploration and is home to over 1,200 exploration companies



$331 million exploration and deposit appraisal expenditures in 2015

$272 million invested in exploration projects in 2015

$476 million contributed to the government in 2015 by the B.C. mining industry

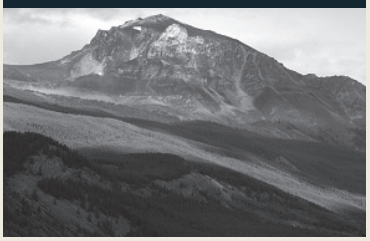
30,000 people in **120** occupations in more than **50** communities are employed in the mining and mineral exploration industry

60% of Canadian exploration companies are based in B.C.

$5.9 billion estimated mineral production value in 2015

1,200 exploration companies are located in B.C.

Alberta



$17 million exploration and deposit expenditures in 2015

$2.5 billion estimated mineral production value in 2015

Saskatchewan

Saskatchewan is a global leader in potash and uranium production

$258 million exploration and deposit appraisal expenditures in 2015

90% of Canadian potash is produced in Saskatchewan

$8.5 billion estimated mineral production value in 2015

The mining industry is the **3rd** largest industry in Saskatchewan

$860.4 million was contributed to provincial and federal governments by the mining and mineral exploration sector in 2012

Saskatchewan is the **2nd** most attractive jurisdiction for mineral exploration in the world
[Fraser Institute]

Saskatchewan hosts almost half of world potash reserves and **8%** of the world's known recoverable uranium reserves

30,500 people work in the mining sector, which is **6%** of total employment, with a payroll of **$1.5 billion**

Manitoba

3,200 people employed in the mining sector in 2015

$35.2 million exploration and deposit appraisal expenditures in 2015

$1.3 billion estimated mineral production value in 2015

Mining is the **4th** largest primary industry in Manitoba

16% of the mining labour work force is Aboriginal people

6% of Manitoba's Gross Provincial Product was from mining in 2014

Ontario

The centre of mining and mineral exploration finance, and Canada's largest jurisdiction for mineral production, employment and investment

$10.8 billion estimated mineral production value in 2015

$393 million invested in mineral exploration in 2015

$1 billion contributed to all levels of government annually

7.5% of the mining labour work force is Aboriginal people

256,000 employed in Ontario's mining cluster in 2014

Home to **40** active mines

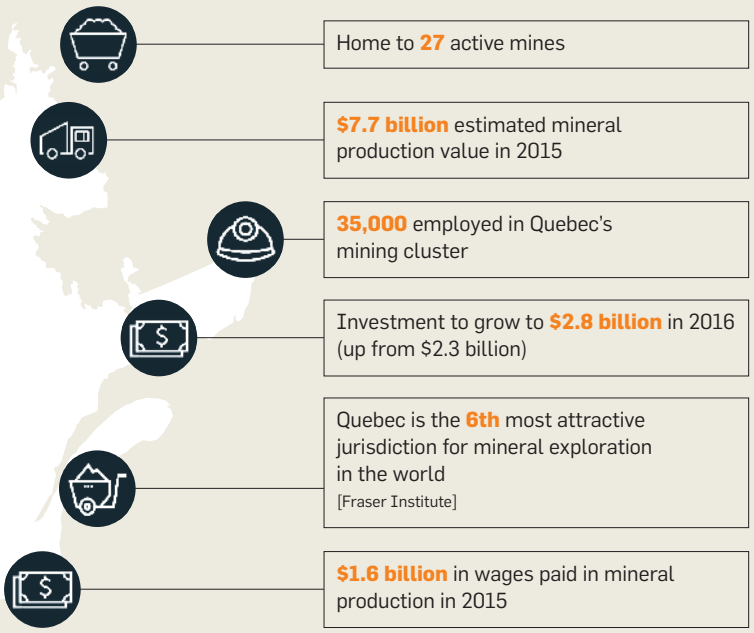
More mining companies listed on the **TSX** and the **TSXV** than on any other exchange

62% of the world's mining and mineral exploration trades happened on the TSX and the TSXV in 2015

Budget 2017

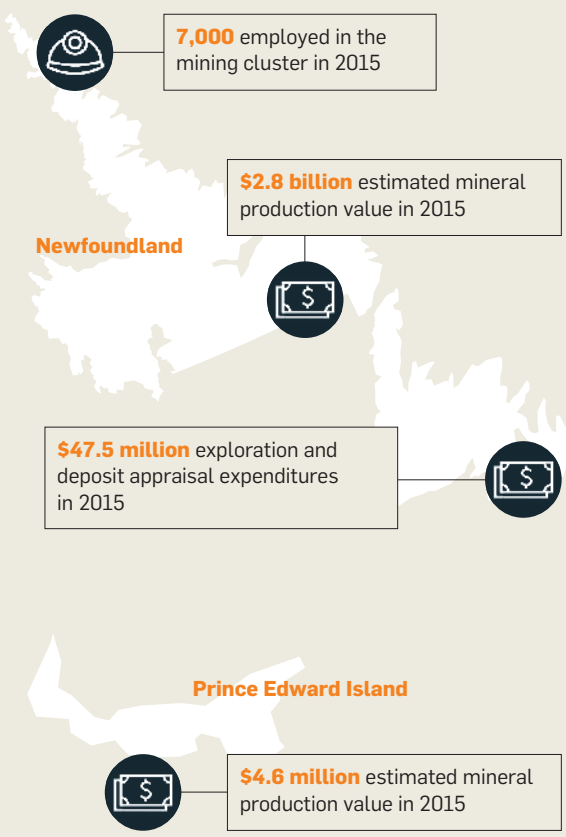
Quebec

An internationally-renowned jurisdiction for mineral exploration, and home to 200 mineral exploration companies



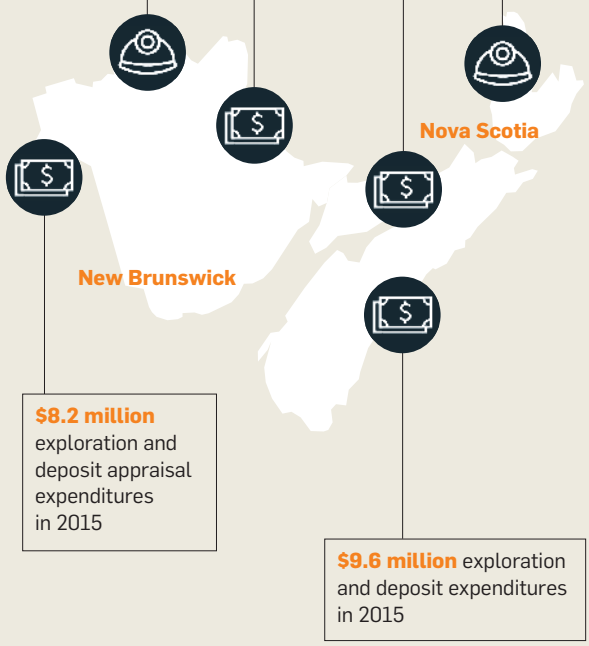
- Home to **27** active mines
- **$7.7 billion** estimated mineral production value in 2015
- **35,000** employed in Quebec's mining cluster
- Investment to grow to **$2.8 billion** in 2016 (up from $2.3 billion)
- Quebec is the **6th** most attractive jurisdiction for mineral exploration in the world [Fraser Institute]
- **$1.6 billion** in wages paid in mineral production in 2015

Newfoundland & Prince Edward Island



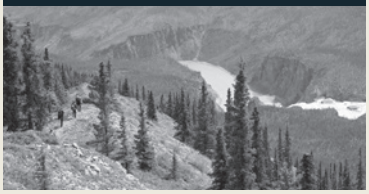
- **7,000** employed in the mining cluster in 2015
- **$2.8 billion** estimated mineral production value in 2015
- **$47.5 million** exploration and deposit appraisal expenditures in 2015
- **$4.6 million** estimated mineral production value in 2015

Nova Scotia & New Brunswick



- **$400 million** estimated mineral production value in 2015
- **1,700** employed in the mining cluster
- **$8.2 million** exploration and deposit appraisal expenditures in 2015
- **$212 million** estimated mineral production value in 2015
- **1,600+** employed in the mining cluster
- **$9.6 million** exploration and deposit expenditures in 2015

Northwest Territories & Nunavut



1,140 workers in exploration and mining support services in 2014

32% of Nunavut's mining sector jobs were in exploration in 2013

97% of the resident mining workforce were Inuit people in 2014

Nunavut

$215 million exploration and deposit appraisal expenditures in 2015

$567 million estimated mineral production value in 2015

8 in 10 people in NWT have positive feelings about mining and mineral exploration companies operating in the NWT
[NWT and Nunavut Chamber of Mines]

86% believe a strong mining sector is vital to the long-term health of the NWT economy
[NWT and Nunavut Chamber of Mines]

82% of respondents want to see more mining projects in the NWT and hope to see the governments of Canada and NWT promoting such activity
[NWT and Nunavut Chamber of Mines]

Northwest Territories

$1.7 billion estimated mineral production value in 2015

$100 million exploration and deposit appraisal expenditures in 2015

99.8% of the total value of exports in the NWT were from minerals and metals in 2015

Yukon

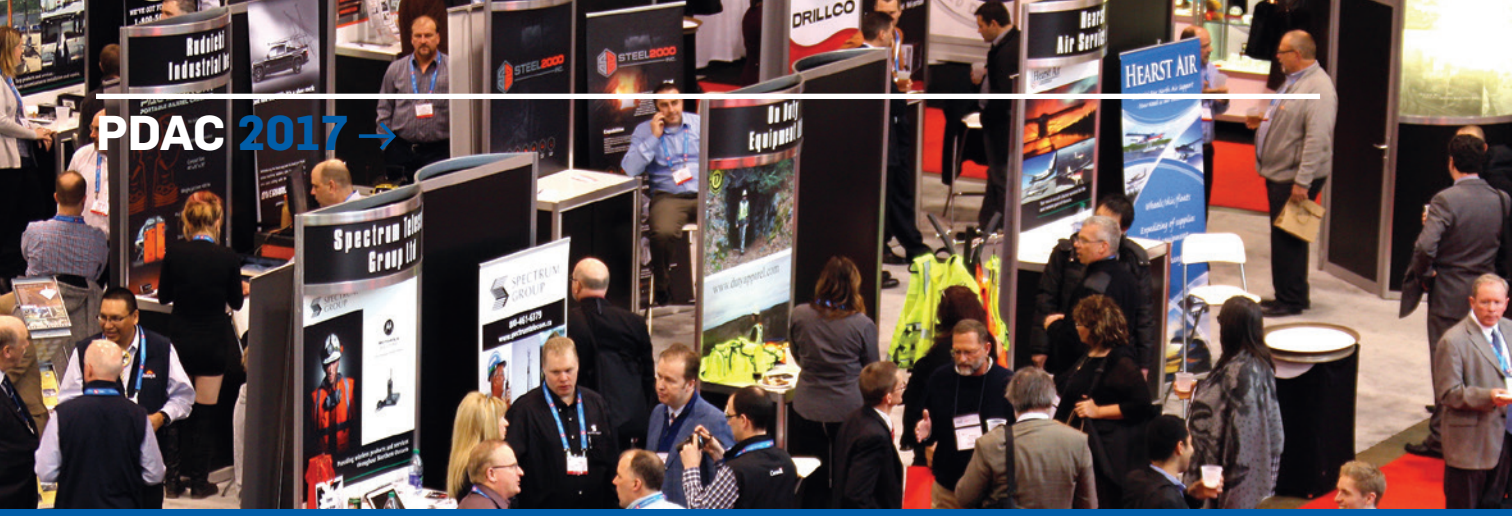
Yukon's economy is strongly linked to the global mining industry

$73.4 million exploration and deposit appraisal expenditures in 2015

$250 million estimated mineral production value in 2015

95.5% of the total value of exports in the Yukon were from minerals and metals in 2015

18% of Yukon's GDP was from mining related activities in 2014



PDAC 2017 CONVENTION

Get all your latest news and highlights on the industry's premier annual event!

EXHIBIT AT PDAC 2017

New Exhibitor Application forms for the Investors Exchange, Trade Show & Trade Show North and Mining Marketplace are available. Apply early as booth spaces are assigned on a first-come, first-served basis. Visit www.pdac.ca/convention for more information.

Investors Exchange

A great opportunity for junior exploration companies, major mining companies, mid-sized producers, prospectors and stock exchanges to come face-to-face with individual investors and seek out new business opportunities. Over 22,000 people attended the PDAC 2016 Convention.

Trade Show & Trade Show North and Mining Marketplace

Organizations and governments have the opportunity to promote the latest technology, products, services and mining jurisdictions to a worldwide market.

Core Shack

Display core from new, ongoing or historic exploration projects or operating or historic mines that are generating exciting drilling results. Discuss these results with interested attendees. Apply by Friday, November 4.

Prospectors Tent

Located in the Investors Exchange, this is a great opportunity for self-employed or independent prospectors to display their maps, samples and claim results. Applications will be available in the fall and are processed on a first-come, first-served basis.

PRESENTATION OPPORTUNITIES

Exploration Insights

Apply to present your technical, policy or academic abstract! Exploration Insights is a high-profile venue for speakers who wish to present topical subjects at the convention in a forum outside the themed Technical Sessions. All interested individuals, including academics and graduate students, are welcome to apply. Submission deadline: Monday, October 31.

Presentation & Reception Rooms

Presentation Rooms are a great way to launch a product, present a workshop, meet clients and prospects, or promote your mining jurisdiction or country. Presentation Rooms can accommodate up to 180 people and are available for half- and full-day rentals.

Reception Rooms are ideal for small receptions of 50 to 100 people and can be rented in two-hour intervals.

All Presentation and Reception Rooms are located in the Metro Toronto Convention Centre (MTCC), North Building, and will be available from March 5 to 8, 2017.

Applications are processed on a first-come, first-served basis. Rental fees include several benefits to enhance your organization's visibility. Application forms are available online.

SPONSORSHIP OPPORTUNITIES

Marketing Your Brand at PDAC 2017

Stand out from the competition and position your organization as an industry leader through our comprehensive Global Sponsorship & Marketing Program.

Looking to reach your target market and showcase your organization to key investors? Our tailored programs are designed to enhance your corporate profile through diverse on-site and year-round marketing initiatives.

FEATURED OPPORTUNITIES

Advertise in the Official Convention Program

Take advantage of this limited opportunity to reach local and international attendees by marketing your company through a ¼ page, 4-colour advertisement distributed onsite to over 22,000 attendees.

Trade Show Reception

Held right on the Trade Show North floor, this reception is a significant networking opportunity for attendees and exhibitors to meet informally and discuss business objectives.

Over 10,000 select pass holders will be treated to a complimentary drink ticket courtesy of the sponsoring company. This is an exclusive opportunity to promote your company and welcome thousands of attendees to the industry's largest convention.

Convention Pen

Make a lasting impression at PDAC 2017, and beyond, with brand marketing on the popular attendee pen. As the exclusive sponsor, your company logo and booth number will be imprinted on 8,500 sleek metallic pens and distributed in the All Access Pass convention bags.

For more information about sponsorship, or to discuss options available to achieve your marketing goals, contact Christina Goncalves Toste at **sponsor@pdac.ca**.

PROGRAMMING

Technical Program

Check out four days of dynamic presentations given by insightful industry experts. With 18 Technical Sessions and over 90 speakers, attendees will benefit from this valuable education opportunity.

Themes will include:

- A second opinion on the high-grade metamorphic potential of the Grenville
- Adapting to operational risks and costs in a carbon-constrained world
- Commodities and market outlook
- Diamonds in Africa: Part 2 – the rest of the story
- Geometallurgy: With you every step of the way
- Geophysics
- Governance and transparency
- Keynote session: What drives success in our industry?
- Mining valuation: New perspectives and a global update
- New discoveries and developments
- Richard W. Hutchinson Symposium
- Riches of the Iberian Peninsula
- Seeking better mining outcomes in the next cycle
- Specialty metals and minerals: Critical materials for new technology
- Successfully raising capital
- The future of exploration
- Update on new discoveries: What happened and why
- Water in mining

NETWORKING EVENTS

Opening Day Reception Sunday, March 5
PDAC welcomes you to the largest networking event at the convention. Enjoy a complimentary drink and snacks as you spend quality time with exhibitors and colleagues. Complimentary drink ticket in the All Access Pass registration bag. Cash bars available.

Dr. Dambisa Moyo

Mineral Outlook Luncheon Monday, March 6
Don't miss guest speaker **Dr. Dambisa Moyo**—one of *Time* Magazine's 100 Most Influential People and *New York Times* best-selling author. Dr. Moyo, Global Economist and Author, will examine the future of the mining industry based on the current economic forecast.

Working in more than 70 countries over the last decade, Dr. Moyo developed a unique knowledge on the inherent conflicts facing developed economies, as well as the interaction between politics, international finance and global markets. In particular, her work examines the interplay of international business and the global economy, while highlighting key opportunities for investment: capitalizing on her rare ability to translate trends in markets, technology, politics, regulatory matters and economics and their impact on global business.

Tickets: $80 each (includes 3-course meal, HST)

Trade Show Reception Monday, March 6
Enjoy a glass of wine or beer as you network with attendees and Trade Show North exhibitors from international and domestic companies including organizations promoting technology, products, services and mining jurisdictions. Complimentary bar beverage ticket in the All Access Pass registration bag or with your Exhibits pass. Cash bars available. **c**

SAVE THE DATE

INTERNATIONAL CONVENTION, TRADE SHOW & INVESTORS EXCHANGE

MARCH 5-8, 2017

Metro Toronto Convention Centre
Registration Begins December 2016
www.pdac.ca/convention
convention@pdac.ca

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PDAC 2017 → Convention Sponsors (at August 31, 2016)

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S-IMEW 2016: Celebrating its 10th anniversary

A DECADE AFTER PDAC STARTED ITS STUDENT-INDUSTRY MINERAL EXPLORATION WORKSHOP (S-IMEW), THE PROGRAM IS MOLDING THE NEXT GENERATION OF TALENT TO GUIDE THE MINERALS AND MINING SECTOR.

BY MARC GASPAROTTO AND KRISTY KENNY

The Student-Industry Mineral Exploration Workshop (S-IMEW) was created by PDAC in 2007 as a way to provide geology students with a unique opportunity to put their education into practice before entering the workforce. The idea behind S-IMEW was direct and ambitious: to promote a strong and vibrant mineral exploration industry, led by the students who will ultimately become its future.

To date, 259 students have taken part in S-IMEW since its inception, including 98 women, and 2016 proudly marked 10 successful years of the program. From May 5 to 21, 26 students from across Canada were invited to Sudbury to undertake training with more than 60 geoscience professionals who generously donated their time and expertise. A number of S-IMEW alumni returned to give back to the workshop that helped them establish their own careers.

S-IMEW has grown significantly since it began, and 2016 provided an expansive array of hands-on learning opportunities. Students toured the Sudbury Basin, tried their hand at exploration mapping with Wallbridge Mining personnel, learned about government mapping with the Ontario Geological Survey, toured the Glencore Smelter facility, and took a crash course in mineral economics with Professor Michael Doggett.

This year's program began with the all-important lesson of networking. John Burzynski, President & CEO of Osisko Gold Royalties (S-IMEW's major sponsor) joined students on the opening day to share his own adventures in geoscience, including the inspiring tale of the Malartic mine.

To wrap up S-IMEW 2016, students embarked on a four-day field trip to the Abitibi Greenstone Belt where they toured the geology around Timmins. There were stops at the Noranda district in Quebec, and the world-class Pyke Hill Komatiite where students marvelled at the spinifex texture of the flows. The field trip featured a tour of two underground mines—Timmins West and Young-Davidson—providing a glimpse of what a day in the life of a mine geologist really looks like.

This year saw the addition of an extra day added to the schedule. It was focused on underground mine mapping, where students took part in an exercise led by KGHM at the NORCAT underground training facility in Onaping. Additionally, the workshop contained a significant expansion of Diamond Day where students visited DeBeers Core Shack and Treatment Centre.

PDAC thanks all of the outstanding volunteers and sponsors who have allowed S-IMEW and its participants to succeed over the past decade. Without this ongoing support and generosity, providing students with this unique opportunity to have a close-up of the minerals industry, would not be possible. PDAC and the next group of students look forward to working with you all again next year! **c**

Marc Gasparotto is the PDAC's Coordinator, Student Program
Kristy Kenny is the PDAC's Coordinator, Communications

"The idea behind S-IMEW was direct and ambitious: to promote a strong and vibrant mineral exploration industry..."

Q&A **WITH PAST STUDENTS**

ROISIN KYNE, Post-Doctoral Fellow at the Irish Centre for Research in Applied Geoscience (iCRAG) (2008 participant)

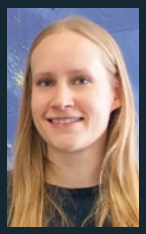
Did SIMEW help your career or give you an advantage over other candidates?

I absolutely feel that S-IMEW has played an important part in helping my career. Not only did I get the chance to visit world-class deposits and learn about some incredible rocks, but S-IMEW also helped teach me invaluable skills with respect to mapping, mining and networking. Having been nominated and accepted into the prestigious program has also shown my employers that I have unique skills and the accolades to back them up. S-IMEW helped me realize that I wanted a career teaching others, just as those involved in the program taught me. The organizers and amazing individuals who help make S-IMEW such a success are inspirational people in their own right and if I can one day inspire others as they inspired me than I will have accomplished something great.

DANICA PASCUA, Production Geologist at Musselwhite Mine for Goldcorp Inc. (2011 participant)

Describe your career since participating in S-IMEW.

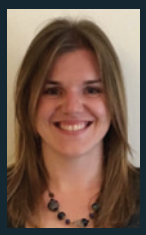
I have worked as an exploration summer student logging core at Agnico Eagle's Meliadine Project near Rankin Inlet, Nunavut. I went back to school to finish my fourth year and was immediately hired at the same project as a junior geologist. After the summer and fall drilling season, I worked at Agnico's exploration office and the LaRonde Mine in the Abitibi region of Québec. One year later, I was hired by Goldcorp under their Graduate Development Program (GDP) as a Graduate Production Geologist. I was in this role for two years and was then made a permanent employee. My career as a geologist so far has been doing rotation and fly-in jobs in remote locations up north—and I love it!



MELISSA ANDERSON, Ph.D. student at University of Ottawa, and visiting researcher at GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany (2009 participant)

How would you describe S-IMEW to a student considering applying?

It is an intense few weeks! You will meet a group of strangers who will quickly become your friends as you all continue down varied career paths in geology. The days are very busy learning about different aspects of geology from excellent lecturers. You will walk away from this experience with a professional network that includes the other students, lecturers, and organizers, and (most importantly) you will have memories that you will cherish forever.



SARA LISE UNDERHAY, Geophysical Technical Analyst at Geosoft (2009 participant)

What advice do you have for future students considering a career in the minerals industry?

The minerals industry is fascinating and there are probably more career options than you realize. It's very multidisciplinary. Regardless of your career choice, you'll need a good background in geology, geochemistry and geophysics. Take the field work to the exotic and remote locations, as they make great stories and provide invaluable experience for both work and life. Everyone you meet has something to teach you; the prospectors in the bush, the pilots, the engineers, the senior geoscientists, the project managers, the accountants. They all play an important and distinct role in exploration and development.

ANTHONY KNUTSON, S-IMEW 2016 Student

What lesson did you take away from your experience in the underground mines?

That I love it! This is where the rubber hits the road and all of the classroom labs and lectures are applied on the operational side. Despite all of the drilling, Mother Nature can throw a curve ball and move a vein, forcing the geologist to think quickly on their feet.

Q&A WITH A PROUD SPONSOR

John Burzynski, President & CEO, Osisko Mining Corporation
(second from left in photo below)

1. WHY DID OSISKO CHOOSE TO SPONSOR S-IMEW 2016?

The mining industry has a responsibility to encourage Canadian university students to pursue careers in our field. Having personally been on a similar workshop in the 1980s, I recognize the importance of student-industry contact to put career paths in perspective.

2. FROM A CORPORATE PERSPECTIVE, WHAT MAKES S-IMEW WORTHY OF SPONSORING?

We are a growing company, so it's also an opportunity for our corporation to meet top students coming into the business who may find future employment within our group.

3. WHAT ADVICE DO YOU HAVE FOR STUDENTS CONSIDERING A CAREER IN THE MINERALS INDUSTRY?

Mining is a fascinating business that's fundamental to the world economy. It's also a bit like treasure hunting and is full of pirates. Success comes with a lot of hard work and dedication, persistence, perseverance, intuition and some luck. It helps tremendously if you have a couple of really good business partners with these same qualities to help backstop you on those days when you have none of the above.

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"S-IMEW has grown significantly since it began 10 years ago, and 2016 provided students with an expansive array of hands-on learning opportunities."

S-IMEW 2016 HIGHLIGHTS

- Hands on demonstrations of electro magnetic induction and induced polarization geophysics
- Government mapping with the Ontario Geological Survey
- Grid-mapping with Wallbridge personnel
- Up close and personal with a diamond drill at Glencore
- Smelter Tour
- Tour of the Sudbury Basin
- Two underground mine tours (Young-Davidson and Timmins West)
- New workshops added: Underground mine mapping with NORCAT and KGHM, and Diamond Day with evaluation of deposits and a visit to De Beers Core Shack

CORE

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